

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 7

PATENT NO. : 6,982,729
APPLICATION NO. : 09/552,060
ISSUE DATE : Jan. 03, 2006
INVENTOR(S) : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 4, line 44, below "except insofar as limited by the prior art." insert - -
Appendix A

```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.io.*;

public class G3Applet extends JApplet
{
    private String image;
    private double physicalWidth;
    private double physicalHeight;
    public void init()
    {
        super.init();
        physicalWidth = 0.0;
        physicalHeight = 0.0;
        // Read in the values of the parameters from
        // the html page. The parameters are image, physicalWidth, and
        physicalHeight
        image = getParameter("image");
        String param = getParameter("physicalWidth");
        if (param != null)
        {
            physicalWidth = Double.parseDouble(param);
        }
        param = getParameter("physicalHeight");
        if (param != null)
        {
            physicalHeight =
            Double.parseDouble(param);
        }
        // Add a panel to the applet where the image
        // will be drawn
        Container contentPane = getContentPane();
        try
        {
            // Create the panel and pass it the html
            parameter values

```

HP docId number: 0091901

Page 9 of 18

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Fort Collins, Colorado 80527-2400

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Page 2 of 7

PATENT NO. : 6,982,729
APPLICATION NO. : 09/552,060
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INVENTOR(S) : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
        contentPane.add(new JPanel(image,
physicalWidth, physicalHeight));
        catch (IOException e)
    }
}

10 import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
import java.util.*;
import java.io.*;

15 class CSPanel extends JPanel
{
    private String imageName;
    private double physicalWidth;
    20 private double physicalHeight;
    private int imageResX;
    private int imageResY;
    private Image image;
    CSPanel(String imageName, double physicalWidth,
    25 double physicalHeight) throws IOException
    {
        this.imageName = imageName;
        this.physicalWidth = physicalWidth;
        this.physicalHeight = physicalHeight;

    30 // Hack for reading the xResolution and
//Resolution
//from the JPEG header
        FileInputStream in = new FileInputStream(new
        File(imageName));
    35 DataInputStream din = new DataInputStream(in);

        // Skip over the first seven shorts
        for (int i = 0; i < 7; i++)
        {
            din.readShort();
        }

        // get the x/y resolution
    45 imageResX = din.readShort();
        imageResY = din.readShort();

        // close streams
        din.close();
        in.close();

    50 // read in the image
```

H.P. docket number 10991601

Page 10 of 18

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APPLICATION NO. : 09/552,060
ISSUE DATE : Jan. 03, 2006
INVENTOR(S) : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```

        image =
Toolkit.getDefaultToolkit().getImage(imageName);

        // wait until the image is entirely read in
MediaTracker tracker = new MediaTracker(this);
tracker.addImage(image, 0);

        try
        {
            tracker.waitForID(0);
        }
        catch (InterruptedException e)
        {
        }
    }

    public void paintComponent(Graphics g)
    {
        super.paintComponent(g);

        // get the logical screen resolution ie
640x480, 1024x768
Toolkit tk = Toolkit.getDefaultToolkit();
Dimension screen = tk.getScreenSize();

        // compute the physical size of the image
double xInches = image.getWidth(this) /
(double) imageResX;
double yInches = image.getHeight(this) /
(double) imageResY;

        // compute the physical dpi of the display
double xDPI = screen.width / physicalWidth;
double yDPI = screen.height / physicalHeight;

        // compute the logical width of the image
double newWidth = xDPI * xInches;
double newHeight = yDPI * yInches;

        // setup the graphics context
Graphics2D g2 = (Graphics2D) g;

        g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
RenderingHints.VALUE_ANTIALIAS_ON);

        g2.setRenderingHint(RenderingHints.KEY_RENDERING,
RenderingHints.VALUE_RENDER_QUALITY);

        // draw the image in the panel with scaling
g2.drawImage(image, 3, 0, (int) newWidth, (int)
newHeight, null);
    }

```

H.P. docket number 10991401

Page 11 of 18

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 4 of 7

PATENT NO. : 6,982,729
APPLICATION NO. : 09/552,060
ISSUE DATE : Jan. 03, 2006
INVENTOR(S) : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
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<!doctype html public "-//w3c//dtd html 4.0 transitional/en">
<html>
<head>
  <meta name="GENERATOR" content="Mozilla/4.01 (en) (WinNT; I)
  [Netscape]">
  <title>TestApplet1</title>
</head>
<body>
  <object classid="clsid:8AD9C840-044E-11D1-B3E9-00805F499793"
    width="100%" height="100%" align="middle"
    codebase="http://object classid="clsid:8AD9C840-044E-11D1-B3E9-
00805F499793"
  >
    width="100%"<param NAME="code" VALUE="CSApplet.class"><param
NAME="codebase" VALUE="classes/"><param NAME="type"
VALUE="application/x-java-applet;version=1.2.2"><param NAME="image"
value="d:/patent/moose.jpg"><param NAME="physicalWidth"
value="11.25"><param NAME="physicalHeight" value="8.5"><param
NAME="scriptable" VALUE="true"><No
JDK 1.2 support for APPLETS"></object>
  </body>
</html>
```

U.S. Patent number 10991401

Page 12 of 18

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 5 of 7

PATENT NO. : 6,982,729
APPLICATION NO. : 09/552,060
ISSUE DATE : Jan. 03, 2006
INVENTOR(S) : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Appendix B

```
import java.awt.*;  
import java.awt.event.*;  
import javax.swing.*;  
  
public class TestApplet extends JApplet  
{  
    private String image;  
    private double percentOfWidth;  
    private double percentOfHeight;  
    public void init()  
    {  
        super.init();  
  
        percentOfWidth = 0.0;  
        percentOfHeight = 0.0;  
  
        image = getParameter("image");  
  
        String param = getParameter("percentOfWidth");  
        if (param != null)  
        {  
            percentOfWidth =  
Double.parseDouble(param);  
        }  
  
        param = getParameter("percentOfHeight");  
        if (param != null)  
        {  
            percentOfHeight =  
Double.parseDouble(param);  
        }  
  
        Container contentPane = getContentPane();  
        contentPane.add(new TestPanel(image,  
percentOfWidth, percentOfHeight));  
    }  
  
    import java.awt.*;  
    import java.awt.event.*;  
    import javax.swing.*;  
  
    class TestPanel extends JPanel  
    {  
        private String image;  
        private double percentOfWidth;  
        private double percentOfHeight;  
        public TestPanel(String image,  
double percentOfWidth,  
double percentOfHeight)  
        {  
            this.image = image;  
            this.percentOfWidth = percentOfWidth;  
            this.percentOfHeight = percentOfHeight;  
        }  
        public void paintComponent(Graphics g)  
        {  
            g.drawImage(image, 0, 0, (int)(getWidth() * percentOfWidth),  
(int)(getHeight() * percentOfHeight), this);  
        }  
    }  
}
```

HP document number 10991401

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 6 of 7

PATENT NO. : 6,982,729
APPLICATION NO. : 09/552,060
ISSUE DATE : Jan. 03, 2006
INVENTOR(S) : Peter Lange, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```
private String imageName;  
private double percentOfWidth;  
private double percentOfHeight;  
  
private Image image;  
TestPanel(String imageName, double percentOfWidth,  
double percentOfHeight)  
{  
    this.imageName = imageName;  
    this.percentOfWidth = percentOfWidth;  
    this.percentOfHeight = percentOfHeight;  
  
    image =  
Toolkit.getDefaultToolkit().getImage(imageName);  
MediaTracker tracker = new MediaTracker(this);  
tracker.addImage(image, 0);  
  
    try  
    {  
        tracker.waitForID(0);  
    }  
    catch (InterruptedException e)  
    {  
    }  
}  
  
public void paintComponent(Graphics g)  
{  
    super.paintComponent(g);  
  
    Dimension container = getSize();  
    double newWidth;  
    double newHeight;  
  
    if (percentOfWidth != 0.0)  
    {  
        // constant percentage of width  
        newWidth = container.width *  
percentOfWidth / 100.0;  
        newHeight = newWidth *  
((double) image.getHeight(this))  
/ ((double) image.getWidth(this));  
    }  
    else  
    {  
        // constant percentage of height  
        newHeight = container.height *  
percentOfHeight / 100.0;  
        newWidth = newHeight *  
((double) image.getWidth(this))  
/ ((double) image.getHeight(this));  
    }  
}
```

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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ISSUE DATE : Jan. 03, 2006
INVENTOR(S) : Peter Lange, et al.

Page 7 of 7

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

```

    Graphics2D g2 = (Graphics2D) g;
    g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
    RenderingHints.VALUE_ANTIALIAS_ON);
    g2.setRenderingHint(RenderingHints.KEY_RENDERING,
    RenderingHints.VALUE_RENDER_QUALITY);
    g2.drawImage(image, 0, 0, (int) newWidth, (int)
    newHeight, null);
}

<!doctype html public "-//w3c//dtd html 4.0 transitional/en">
<html>
<head>
  <meta name="GENERATOR" content="Mozilla/4.0i [en] (WinNT; I)
  [Netscape]">
  <title>TestApplet2</title>
</head>
<body>
  <object classid="clsid:8AD9C840-044E-11D1-B3E9-00805F499D93"
    width="100%" height="100%" align="middle"
    codebase="http://object classid="clsid:8AD9C840-044E-11D1-B3E9-
    00805F499D93"
  >
    width="100%"<param NAME="code" VALUE="TestApplet.class"><param
    NAME="codebase" VALUE="classes"><param NAME="type"
    VALUE="application/x-java-applet;version=1.2.2"><param NAME="image"
    value="d:/patent/beans.jpg"><param NAME="percentOfWidth"
    value="50.0"><param NAME="scriptable" VALUE="true">No
  </body>
</html>

```

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER: 10991401-1

IN RE APPLICATION OF: U.S. Patent No. 6,982,729

USPTO CONFIRMATION CODE: 3358

APPLICATION NO.: 09/552,060

FILED: Apr. 19, 2000

EXAMINER: Matthew Luu

GROUP ART UNIT: 2676

FOR: CONSTANT SIZE IMAGE DISPLAY INDEPENDENT OF SCREEN
RESOLUTION

37 CFR 1.322 & 37 CFR 1.323 REQUEST FOR CERTIFICATE OF CORRECTION

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS

Sir:

The following is a request for a certificate of correction in Serial Number 09/552,060, now Patent Number 6,982,729.

A certificate of correction under 35 USC 254 is respectfully requested in the above-identified patent.

☒ All errors were the fault of the USPTO, no fee required. In the event that a further fee is required, please charge the amount to Deposit Account No. 082025.

☐ All errors were the fault of the applicant and, accordingly, please charge **\$100.00** to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

☐ The errors were the fault of both the applicant and USPTO and, accordingly, please charge **\$100.00** to our Deposit Account No. 082025. In the event that a further fee is required, please charge the amount to the same Deposit Account.

The exact locations where the errors appear in the patent and patent application are as follows:

In column 4, line 44, below "except insofar as limited by the prior art." insert - -

Appendix A

```
import java.awt.*;
5 import java.awt.event.*;
import javax.swing.*;
import java.io.*;

public class CSApplet extends JApplet
10 {
    private String image;
    private double physicalWidth;
    private double physicalHeight;
    public void init()
15 {
        super.init();

        physicalWidth = 0.0;
        physicalHeight = 0.0;
20
        // Read in the values of the parameters from
the html page
        // The parameters are image, physicalWidth, and
physicalHeight
25
        image = getParameter("image");

        String param = getParameter("physicalWidth");

30
        if (param != null)
        {
            physicalWidth = Double.parseDouble(param);
        }

35
        param = getParameter("physicalHeight");

        if (param != null)
        {
            physicalHeight =
40 Double.parseDouble(param);
        }

        // Add a panel to the applet where the image
will be drawn
45
        Container contentPane = getContentPane();

        try
        {
            // Create the panel and pass it the html
50 parameter values
```

```

        contentPane.add(new CPanel(image,
physicalWidth, physicalHeight));
    }
    catch (IOException e)
5      {
      }
    }
  }

10  import java.awt.*;
    import java.awt.event.*;
    import javax.swing.*;
    import java.util.*;
    import java.io.*;

15  class CPanel extends JPanel
    {
        private String imageName;
        private double physicalWidth;
20      private double physicalHeight;
        private int imageResX;
        private int imageResY;
        private Image image;
        CPanel(String imageName, double physicalWidth,
25      double physicalHeight) throws IOException
        {
            this.imageName = imageName;
            this.physicalWidth = physicalWidth;
            this.physicalHeight = physicalHeight;

30      // Hack for reading the xResolution and
            yResolution from the JPEG header
            FileInputStream in = new FileInputStream(new
            File(imageName));
35      DataInputStream din = new DataInputStream(in);

            // Skip over the first seven shorts
            for (int i = 0; i < 7; i++)
            {
40                din.readShort();
            }

            // get the x/y resolution
            imageResX = din.readShort();
45      imageResY = din.readShort();

            // close streams
            din.close();
            in.close();

50      // read in the image

```

```

        image =
Toolkit.getDefaultToolkit().getImage(imageName);

        // wait until the image is entirely read in
5      MediaTracker tracker = new MediaTracker(this);
        tracker.addImage(image, 0);

        try
        {
10          tracker.waitForID(0);
        }
        catch(InterruptedException e)
        {
        }
15    }
    public void paintComponent(Graphics g)
    {
        super.paintComponent(g);

20      // get the logical screen resolution ie
        640x480, 1024x768
        Toolkit tk = Toolkit.getDefaultToolkit();
        Dimension screen = tk.getScreenSize();

25      // compute the physical size of the image
        double xInches = image.getWidth(this) /
        (double) imageResX;
        double yInches = image.getHeight(this) /
        (double) imageResY;
30      // compute the physical dpi of the display
        double xDPI = screen.width / physicalWidth;
        double yDPI = screen.height / physicalHeight;

35      // compute the logical width of the image
        double newWidth = xDPI * xInches;
        double newHeight = yDPI * yInches;

        // setup the graphics context
40      Graphics2D g2 = (Graphics2D) g;

        g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
        RenderingHints.VALUE_ANTIALIAS_ON);

45      g2.setRenderingHint(RenderingHints.KEY_RENDERING,
        RenderingHints.VALUE_RENDER_QUALITY);

        // draw the image in the panel with scaling
        g2.drawImage(image, 0, 0, (int) newWidth, (int)
50      newHeight, null);
    }

```

```

}

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
5 <head>
    <meta name="GENERATOR" content="Mozilla/4.61 [en] (WinNT; I)
    [Netscape]">
    <title>TestApplet1 </title>
</head>
10 <body>
    <object classid="clsid:8AD9C840-044E-11D1-B3E9-00805F499D93"
        width="100%" height="100%" align="middle"
        codebase="http://<object classid="clsid:8AD9C840-044E-11D1-B3E9-
15 00805F499D93"
        width="100%"<param NAME="code" VALUE="CSApplet.class"><param
        NAME="codebase" VALUE="classes/"><param NAME="type"
        VALUE="application/x-java-applet;version=1.2.2"><param NAME="image"
        value="d:/patent/moose.jpg"><param NAME="physicalWidth"
        value="11.25"><param NAME="physicalHeight" value="8.5"><param
20 NAME="scriptable" VALUE="true">No
        JDK 1.2 support for APPLET!!</object>
    </body>
</html>
25

```

Appendix B

```
import java.awt.*;
5  import java.awt.event.*;
import javax.swing.*;

public class TestApplet extends JApplet
{
10     private String image;
    private double percentOfWidth;
    private double percentOfHeight;
    public void init()
    {
15         super.init();

        percentOfWidth = 0.0;
        percentOfHeight = 0.0;

20         image = getParameter("image");

        String param = getParameter("percentOfWidth");

        if (param != null)
25         {
            percentOfWidth =
            Double.parseDouble(param);
        }

30         param = getParameter("percentOfHeight");

        if (param != null)
        {
            percentOfHeight =
35     Double.parseDouble(param);
        }

        Container contentPane = getContentPane();
        contentPane.add(new TestPanel(image,
40     percentOfWidth, percentOfHeight));
    }
}

45
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

50 class TestPanel extends JPanel
{
```

```

        private String imageName;
        private double percentOfWidth;
        private double percentOfHeight;

5       private Image image;
        TestPanel(String imageName, double percentOfWidth,
double percentOfHeight)
        {
            this.imageName = imageName;
10         this.percentOfWidth = percentOfWidth;
            this.percentOfHeight = percentOfHeight;

            image =
Toolkit.getDefaultToolkit().getImage(imageName);
15         MediaTracker tracker = new MediaTracker(this);
            tracker.addImage(image, 0);

            try
20         {
                tracker.waitForID(0);
            }
            catch (InterruptedException e)
            {
25         }
        }

        public void paintComponent(Graphics g)
        {
            super.paintComponent(g);
30         Dimension container = getSize();
            double newWidth;
            double newHeight;

35         if (percentOfWidth != 0.0)
            {
                // constant percentage of width
                newWidth = container.width *
percentOfWidth / 100.0;
40         newHeight = newWidth *
((double) image.getHeight(this)
/ (double) image.getWidth(this));
            }
            else
45         {
                // constant percentage of height
                newHeight = container.height *
percentOfHeight / 100.0;
                newWidth = newHeight *
50         ((double) image.getWidth(this)
/ (double) image.getHeight(this));
            }
        }
    }

```

```

    Graphics2D g2 = (Graphics2D) g;
5    g2.setRenderingHint(RenderingHints.KEY_ANTIALIASING,
    RenderingHints.VALUE_ANTIALIAS_ON);

    g2.setRenderingHint(RenderingHints.KEY_RENDERING,
10    RenderingHints.VALUE_RENDER_QUALITY);

    g2.drawImage(image, 0, 0, (int) newWidth, (int)
    newHeight, null);
    }
15 }

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
20 <head>
    <meta name="GENERATOR" content="Mozilla/4.61 [en] (WinNT; I)
    [Netscape]">
    <title>TestApplet2</title>
</head>
25 <body>
    <object classid="clsid:8AD9C840-044E-11D1-B3E9-00805F499D93"
    width="100%" height="100%" align="middle"
    codebase="http://<object classid="clsid:8AD9C840-044E-11D1-B3E9-
    00805F499D93"
30 width="100%"<param NAME="code" VALUE="TestApplet.class"><param
    NAME="codebase" VALUE="classes/"><param NAME="type"
    VALUE="application/x-java-applet;version=1.2.2"><param NAME="image"
    value="d:/patent/beans.jpg"><param NAME="percentOfWidth"
    value="50.0"><param NAME="scriptable" VALUE="true">No
35 JDK 1.2 support for APPLET!!</object>
</body>
</html>

```

(Appendix to the Specification filed on Apr. 19, 2000, pages 9 of 18 – 15 of 18)

The requested corrections are attached on Form PTO 1050.

Respectfully Submitted

4/13/2009
DATE

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